

M 6.8, 85 km NNW of San Antonio de los Cobres, Argentina

Origin Time: 2022-05-10 23:06:32 UTC (Tue 20:06:32 local)

Location: 23.5057° S 66.6499° W Depth: 220.0 km

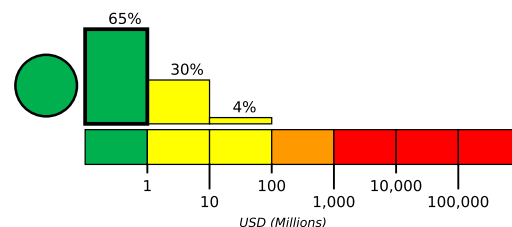
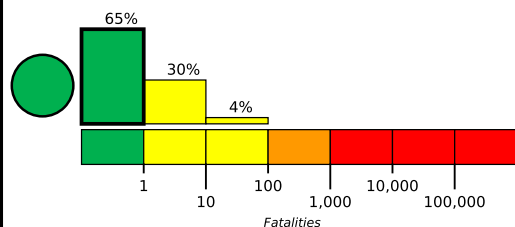
FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 1 week, 1 day after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

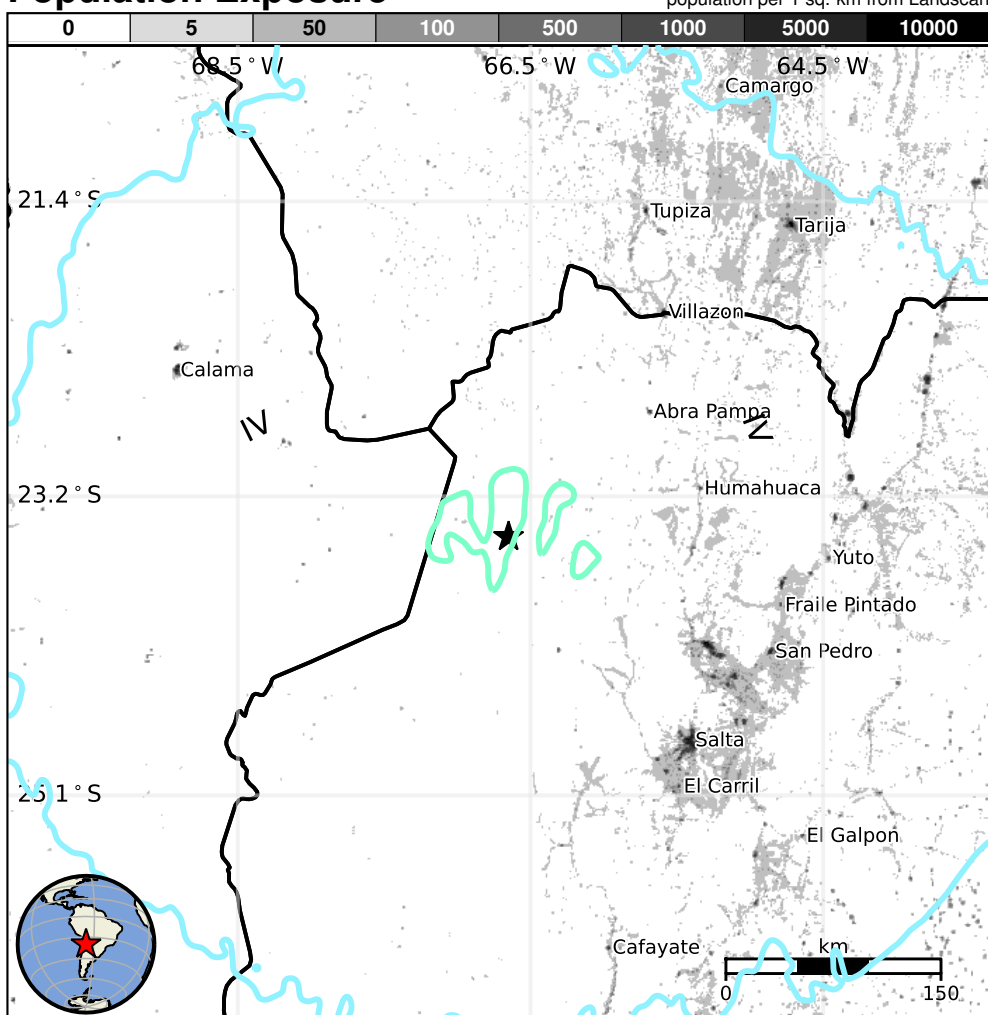


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	187k*	3,144k	3k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1987-03-05	364	7.5	VII(46k)	1
2007-11-14	360	7.7	VII(33k)	2
1995-07-30	369	8.0	VIII(163k)	3

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Susques	<1k
IV	Abra Pampa	9k
IV	Humahuaca	11k
IV	Rinconada	<1k
IV	Santa Rosa de Tastil	2k
IV	La Poma	<1k
IV	San Salvador de Jujuy	306k
IV	Salta	513k
IV	Calama	143k
IV	Tarija	159k
IV	Yacuiba	83k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000h8g3#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000h8g3